Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 8.0.2
Input Device:	Carousel	Date:	01/17/2022 09:47 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	12/16/2021 09:10 AM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product:	CST Setup Beads	Part #:	910859
Lot ID:	32272	Expiration Date:	09/30/2022
Bead Lot Information:	Available		

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	124396	-1	5.33	124172	5.39
Blue	F	SSC	125000	122640	-2	5.72	123192	5.77
Blue	E	FITC	14284	13694	-5	5.37	383	14.38
Blue	D	PE	23919	23466	-2	5.34	557	11.78
Blue	B	PerCP-Cy5-5	31332	30598	-3	6.01	878	16.18
Blue	A	PE-Cy7	22272	21895	-2	8.26	453	33.21
Red	C	APC	47768	47120	-2	4.29	1628	12.61
Red	A	APC-Cy7	25313	24027	-6	5.63	678	13.77
Violet	B	V450	7085	6715	-6	7.96 (1)	466	13.80
Violet	A	V500	26969	26047	-4	7.94	887	10.96

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	23651	6.37	583	-6	N/A	N/A	Pass
Blue	F	SSC	53626	5.62	520	-1	N/A	N/A	Pass
Blue	E	FITC	55	53.22	491	-10	0.0402	0	Pass
Blue	D	PE	107	41.51	489	-8	0.4281	373	Pass
Blue	B	PerCP-Cy5-5	135	43.70	579	-9	0.0186	77	Pass
Blue	A	PE-Cy7	72	87.21	630	-5	0.0197	2	Pass
Red	C	APC	333	28.00	580	0	0.0244	168	Pass
Red	A	APC-Cy7	124	38.17	553	-2	0.0058	1610	Pass
Violet	B	V450	78	49.42	457	-6	0.0507	2141	Pass
Violet	A	V500	102	31.98	469	-5	0.0270	909	Pass

(1) Bright Bead %Robust CV for Primary Channel, Detector B, for Violet Laser is greater than recommended value.

Specifications

PMTV Delta from baseline:	50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Guidelines (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.55	47.64 - 71.46	N/A	N/A	-31.44	-31.25	1.01
Blue	20.36	16.28 - 24.42	1.29	1.03 - 1.55	0.00	0.00	1.43
Red	15.50	13.90 - 20.86	N/A	N/A	29.73	29.91	1.24

Window Extension: 7.00
FSC Area Scaling Factor: 0.94

Threshold

Threshold (FSC): 9531

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.70
Spec.: 3.80 - 4.00

Comments